

Application Serial No. 10/670,020  
Reply to office action of May 18, 2006

NOV 13 2006 PATENT  
Docket: CU-3367

### **REMARKS/ARGUMENTS**

Reconsideration is respectfully requested.

Claims 1-3 are pending in the present application before this amendment. By the present amendment, and claims 1-2 have been amended. No new matter has been added.

### **REJECTION OF CLAIM 2 UNDER 35 U.S.C. § 112, ¶1**

In the office action, claim 2 stands rejected under 35 U.S.C. § 112, ¶1 as failing to comply with the enablement requirements.

The applicant has subsequently amended claim 2 by removing the objected to limitation of the "level trigger system". Accordingly, the applicant respectfully submits that claim 2, now pending in this application, is now in condition for allowance.

Therefore, the applicant respectfully requests reconsideration of claim 2 and withdrawal of this rejection.

### **REJECTION OF CLAIMS 1-3 UNDER 35 U.S.C. § 112, ¶2**

In the office action, claims 1-3 stand rejected under 35 U.S.C. § 112, ¶2 as being indefinite.

Regarding Claim 1: The applicant has subsequently amended the objected to limitation, found in independent claim 1, into the limitation that "a control signal transmission line operatively connected to the gate driving unit, the control signal transmission line for transmitting a data carry signal for enabling the shift register and the control signal transmission line for transmitting an output control signal for controlling data output by the output circuit wherein the control signal transmission line is a single signal line..." Support for this amendment can be found in the originally

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submitted specification at p. 7 ln.17-18 and in the abstract at p. 10, ln. 6-7. The applicant respectively contends that this newly amended limitation in claim 1 provides a clearer understanding that the control signal transmission line is a single signal line and that it transmits two separate signals on this single signal line. Accordingly, the applicant respectfully submits that claim 1, now pending in this application, is now in condition for allowance.

Regarding claims 2 and 3: The basis for this rejection of claims 2 and 3 was that claim 1 had the alleged indefinite limitation that subsequently made dependent claims 2 and 3 indefinite. Therefore, as argued above, the applicant respectfully contends that this alleged indefinite limitation found in independent claim 1 has been removed. Accordingly, the applicant contends that claims 2 and 3 are now in condition for allowance.

In conclusion, the applicant respectfully submits that claims 1-3, now pending in this application, are now in condition for allowance. Therefore, the applicant respectfully requests reconsideration of claims 1-3 and withdrawal of this rejection.

**REJECTION OF CLAIMS 1 AND 2 UNDER 35 U.S.C. § 103**

In the office action, claims 1-2 stand rejected under 35 U.S.C. § 103 as being unpatentable over Taguchi et al. (US 6,183,317) (hereafter, "Taguchi") in view of Arai (US 6,909,418).

Regarding Claim 1: The applicant has subsequently amended independent claim 1 to further distinguish the present invention from the cited references by requiring: (1) a gate driving unit is operatively connectable to a power supply circuit (support can be found in the specification as item 204 in FIG 2), (2) that the gate driving

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unit also has a level register (support can be found in the specification as item 206 in FIG. 2), (3) the timing control unit controls the timing of the transmitted output control signal when the level register registers a level analog power supply voltage from the power supply circuit (support can be found in the specification at p. 6 ln. 5-6), and (4) the timing control unit controls the timing of the transmitted output control signal by a delay of a load signal (support can be found in the specification at p. 6, ln 6-7).

Upon review of both of the cited references, the applicant can find none of these newly added limitations taught, suggested or motivated by these cited references. Accordingly, the applicant respectfully contends that the cited references neither teach, suggest or motivate all of the required claimed elements found in independent claim 1. Therefore, the applicant respectfully contends that this obviousness rejection should be withdrawn because a *prima facie* case of obviousness case cannot be established by using these cited references because they in whole or in part in combination do not teach, suggest or motivate all of the presently claimed limitations found in the independent claims, i.e., claim 1.

Regarding claim 2: The above arguments are equally applicable here, in that the presently amended limitations added into independent claim 1 prevent the two cited references from establishing a *prima facie* case of obviousness in claim 1. Since dependent claims have all of the limitations of the independent claims then the two cited references also cannot be used to establish a *prima facie* case of obviousness against claim 2 that is dependent on claim 1.

Therefore, the applicant respectfully contends that this obviousness rejection of claims 1-2 should be withdrawn because a *prima facie* obviousness case can no longer

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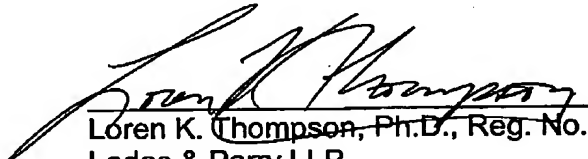
be established using the two cited references.

**SUMMARY**

For the reasons set forth above, the applicants respectfully submits that claims 1-3, now pending in this application, are in condition for allowance over the cited references. Accordingly, the applicants respectfully requests reconsideration and withdrawal of the outstanding rejections and earnestly solicits an indication of allowable subject matter. This amendment is considered to be responsive to all points raised in the office action. Should the examiner have any remaining questions or concerns, the examiner is encouraged to contact the undersigned attorney by telephone to expeditiously resolve such concerns.

Respectfully submitted,

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